



# Recombinant Rat Translation initiation factor eIF-2B subunit alpha (Eif2b1)

<b>Product Code</b>	CSB-EP714480RA
<b>Abbreviation</b>	Eif2b1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q64270
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MEDGELIKYF KSQMKGDPNM ASAVAAIQTL LEFLKRDKGE TIQGLRAHLT KAIETLCAVD SSVAVSSGGE LFLRFISLTS LEYSDYSKCK KIMIERGELF LSRISLSRTE IASLCHAFIK DGARILTHAY SRVVLRLVLEE AVAAKKRFSV YITESQPDLS GKKMAKALCH LNPVTVVLD AAVGYIMEKV DLVIVGAEGV VENGGIINKI GTNQMAVCAK AQNKPFYVVA ESFKFVRLFP LNQQDVPDKF KYKADTLKSV QAGQDLKEEH PWVDYTSPL ILLFTDLGV LTPSAVSEDEL IKLYL
<b>Source</b>	E.coli
<b>Target Names</b>	Eif2b1
<b>Protein Names</b>	Recommended name: Translation initiation factor eIF-2B subunit alpha Alternative name(s): eIF-2B GDP-GTP exchange factor subunit alpha
<b>Expression Region</b>	1-305
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.